

131 48. (New) The camera of claim 4, wherein the exposure information comprises one or more
132 of the aperture setting, the shutter speed, and the film speed.

133 49 (New) The method of claim 25 wherein triangulating comprises measuring the signal
134 strengths of control and voice channels of nearby cells.

50 (New) The camera of claim 18 wherein the signals comprise location information.

136 51 (New) The camera of claim 43 wherein one or more of the signals is sent over a dedicated
137 physical control channel.

138 52 (New) The camera of claim 34 wherein the short message service of a control channel is
139 utilized in determining the location.

140 **REMARKS**

141 Claims 2,8,13,14,15, 16, 17, 18, 20, 21, 22, 23, 24, 25, 29, 30, 31, 32, 34, 38, 42, 44, and 45
142 have been amended. Claims 1, 19, 41, and 46 have been cancelled without prejudice or disclaimer.
143 Of these, independent claims 1, 19, and 41 have been cancelled to incorporate the limitations into
144 dependent claims. New claims 47-52 have been added. All claims are supported by the
145 specification. Reconsideration of the Application is respectfully requested.

146

Information Disclosure Statement

148 The listing of references in the specification was cited as being improper. The references
149 cited in the application have now been listed in an information disclosure statement, submitted and
150 listed on PTO form 1449, enclosed with this response.

151

Drawings

152 The drawings were objected to under 37 CFR 1.83(a) because the Examiner stated that the
153 drawings do not show every aspect of the claims. It is kindly asserted that the claimed features are
154 shown in the drawings. The emulsion type film is one type of storage/ recording media 140, seen in
155 FIGS. 1 and 2. The means for providing date and time is shown by at least the microprocessor 120.
156 The means for imprinting in the image is represented by at least data imprinting device 160, as is the
157 means for imprinting outside the image. The means for providing exposure information is
158 represented at least by the microprocessor 120 and/or data imprinting device 160 and/or camera
159 optics 150 and/or storage/recording media 140. The digital storage medium is represented by
160 storage/recording media 140, as is the optical disk and the removable memory card. The drawings
161 show every feature of the invention specified in the claims.

162 The drawings were also objected to under 37 CFR 1.83(a) because “applicant merely
163 provides a subdivided box with various elements therein...” and because any structural detail that is
164 essential for a proper understanding of the disclosed invention should be shown in the drawing.”
165 Applicant kindly asserts that a proper understanding can be had from the drawings as filed.
166 However, applicant has also submitted revised drawings including a proposed drawing correction
167 that show the interconnection of the components including a bus. The drawings were also objected
168 to because of the lack of flow charts. FIG. 3 is a flow chart that illustrates the operation of the
169 invention. Therefore, the drawings are in compliance with 37 CFR 1.83(a).

170 The revised drawings (3 pages) are enclosed with this response.

171

Specification

172 The Abstract was objected to because the term "Inventor" was inappropriate. Please delete
173 the word "Inventor:" on page 17, line 5. Below is a clean copy of the Abstract:

174 A camera system that determines the location of the image taken and records
175 the location coordinates and/or name together with the date, time and/or other
176 information selected by the user.

177

178 *Claim Rejections 35 U.S.C. 102*

179 Kimura

180 Claims 1-46 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No.
181 5,913,078 to Kimura ("Kimura").

182 A claim is anticipated only if each and every element as set forth in the claim is disclosed
183 either expressly or inherently, in a single prior art reference. *Verdegall Bros. v. Union Oil Co of*
184 *California*, 814 F.2d 628, 631, 2 USPQ2d 1051, 1053 (Fed. Cir. 1987)(MPEP 2131).

185 Kimura does not anticipate claim 18, as amended. The limitations of independent claim 1
186 have been incorporated into dependent claim 18. Claim 18 is therefore now in independent form. It
187 is kindly asserted that claim 18 is now in condition for allowance because Kimura does not teach
188 each and every limitation of claim 18, as amended.

189 Kimura does not teach the claim 18 limitation of "a camera comprising...a cellular
190 transceiver operable to send and receive signals from nearby cellular towers."

191 Kimura teaches usage of a GPS receiver to determine the location of the camera. Nowhere
192 does Kimura teach or disclose a cellular transceiver operable to send and receive signals from
193 nearby cellular towers.

194 Kimura is directed at solving problems associated with shortcomings of the GPS signals and
195 with properly orienting the camera. Kimura is focused upon making “the receiving of the electric
196 wave through an antenna possible regardless of the photographing attitude of the camera”
197 (Abstract).

198 Claims 2-17 depend from claim 18 and are allowable for the reasons above regarding newly
199 independent claim 18, and for the following additional reasons.

200 Kimura also does not teach the limitation of dependent claim 3 “wherein the microprocessor
201 further records information regarding the exposure of the photo and date of the photo on or in the
202 storage medium.”

203 Additionally, Kimura does not teach the limitation of dependent claim 5, as amended
204 “wherein the exposure information comprises one or more of the aperture setting, the shutter speed,
205 and the film speed.”

206 The limitation of dependent claim 6 “wherein the exposure information further comprises
207 metering information such as aperture priority, shutter priority, or under or over exposure settings of
208 +/- f stops” is also not taught by Kimura.

209 Nor does Kimura teach the limitations of dependent claim 7 “wherein the exposure
210 information further comprises metering information such as aperture priority, shutter priority, or
211 under or over exposure settings of +/- f stops.”

212 Kimura does not teach the limitation of dependent claim 8 “wherein the image is stored in
213 the storage medium in a digital format.”

214 Kimura does not teach the limitation of dependent claim 9 “wherein the storage medium is
215 solid state memory.”

216 Kimura does not teach the limitation of dependent claim 10 “wherein the storage medium is
217 an optical disk.”

218 Kimura does not teach the limitation of dependent claim 11 “wherein the solid state memory
219 is contained in a removable memory card.”

220 Kimura does not teach the limitation of dependent claim 12 “wherein the storage medium is
221 flash type memory.”

222 Kimura does not all of the limitations of independent claim 24, and therefore does not
223 anticipate claim 24. Kimura does not teach at least the limitation “wherein determining the location
224 comprises triangulating the location of the camera via a cellular transceiver.”

225 As discussed above, Kimura teaches the use of the Global Positioning System (GPS) and a
226 GPS receiver for location determination. Therefore, it is submitted that claim 24 and all the claims
227 that depend therefrom are in condition for allowance.

228 Dependent claim 25 is also allowable because Kimura does not teach “triangulating the
229 location of the camera comprises analyzing a signal strength of a communication signal between a
230 cell site antenna and the cellular transceiver.”

231 Dependent claim 29 is also allowable because Kimura does not that “triangulating the
232 location of the camera comprises usage of a cellular control channel.”

233 Kimura does not teach all of the limitations of independent claim 34 and therefore does not
234 anticipate claim 34. Kimura does not teach the limitation of “means for determining the location
235 where the optical image was captured with cellular signals received from cellular towers.”

236 As discussed above, Kimura teaches the use of the Global Positioning System (GPS) and a
237 GPS receiver for location determination. Therefore, it is submitted that claim 34 and all the claims

238 that depend therefrom are in condition for allowance. Dependent claims 35-40 are allowable for all
239 the reasons above regarding the previous dependent claims.

240 Kimura does not teach all of the limitations of independent claim 42 and therefore does not
241 anticipate claim 42. Kimura does not teach the limitation of “a location sensing system, the system
242 configured to record the location onto the storage medium, wherein the location sensing system
243 comprises a cellular transceiver, the system configured to triangulate the position of the camera
244 through signals sent and/or received by the transceiver.”

245 As discussed above, Kimura teaches the use of the Global Positioning System (GPS) and a
246 GPS receiver for location determination. Therefore, it is submitted that claim 42 and all the claims
247 that depend therefrom are in condition for allowance. Dependent claims 43-45 are allowable for all
248 the reasons above regarding the previous dependent claims.

249 For all the aforementioned reasons, it is kindly asserted that all pending claims are in
250 condition for allowance. Therefore, allowance of these claims is kindly requested.

251 Suzuki

252 Claims 1-46 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No.
253 5,506,644 to Suzuki (“Suzuki”). Suzuki does not anticipate claims 1-46 because Suzuki does not
254 teach each and every element of claims 1-46.

255 Suzuki does not anticipate any of the pending claims for all the reasons discussed above with
256 regard to Kimura.

257 Suzuki teaches a position information recorder incorporated in a camera comprises a position
258 measurement unit that receives position information via GPS which is a position measurement
259 system using satellites” (Abstract).

260 Honda

261 Claims 1-46 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No.
262 6,304,729 to Honda et al. (“Honda”).

263 Honda does not anticipate any of the pending claims for all the reasons discussed above with
264 regard to Kimura.

265 Honda teaches a GPS receiver for receiving electromagnetic waves transmitted from each of
266 a plurality of artificial satellites (Abstract). Honda also teaches a radio receiver which receives
267 electromagnetic waves transmitted from a given radio base station, the electromagnetic waves
268 containing base information concerning an identification of the give radio base station. Honda
269 teaches displaying the place information on display 22. Specifically, Honda teaches “the ID
270 information extractor 163 extracts Id information from signals demodulated by the demodulator 145
271 of the first radio receiver 141, and the place information corresponding to the extracted Id
272 information is read from the ROM table 162 and the name of place is displayed in the display unit
273 22 (Col. 7, lines 53-58; FIG. 3). Honda also teaches that the information is written in the magnetic
274 recording area 124 of the film 121 (*See* Col. 8, lines 1-12; *See also* FIG. 1). The magnetic
275 recording area is not where the image is stored in either optical or digital storage media.

276 For all the aforementioned reasons, it is kindly asserted that all pending claims are in
277 condition for allowance. Therefore, allowance of these claims is kindly requested.

278 Watanabe

279 Claims 1-46 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No.
280 6,164,839 to Watanabe (“Watanabe”).

281 Watanabe teaches a GPS receiver for determining the location (*See* FIG. 10, item 17).

282 Watanabe does not anticipate any of the pending claims for all the reasons discussed above.

283 Miyake

284 Claims 1-46 were rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No.
285 6,222,985 to Miyake (“Miyake”).

286 Miyake teaches a camera which records positional data which is obtained by a GPS unit
287 (Abstract).

288 Miyake does not anticipate any of the pending claims for all the reasons discussed above.

289 It is believed that the present application is now in condition for allowance, and an earlier
290 indication of its allowance is earnestly solicited.

291

Respectfully submitted,


Peter G. Mikhail

Date

2/21/03

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